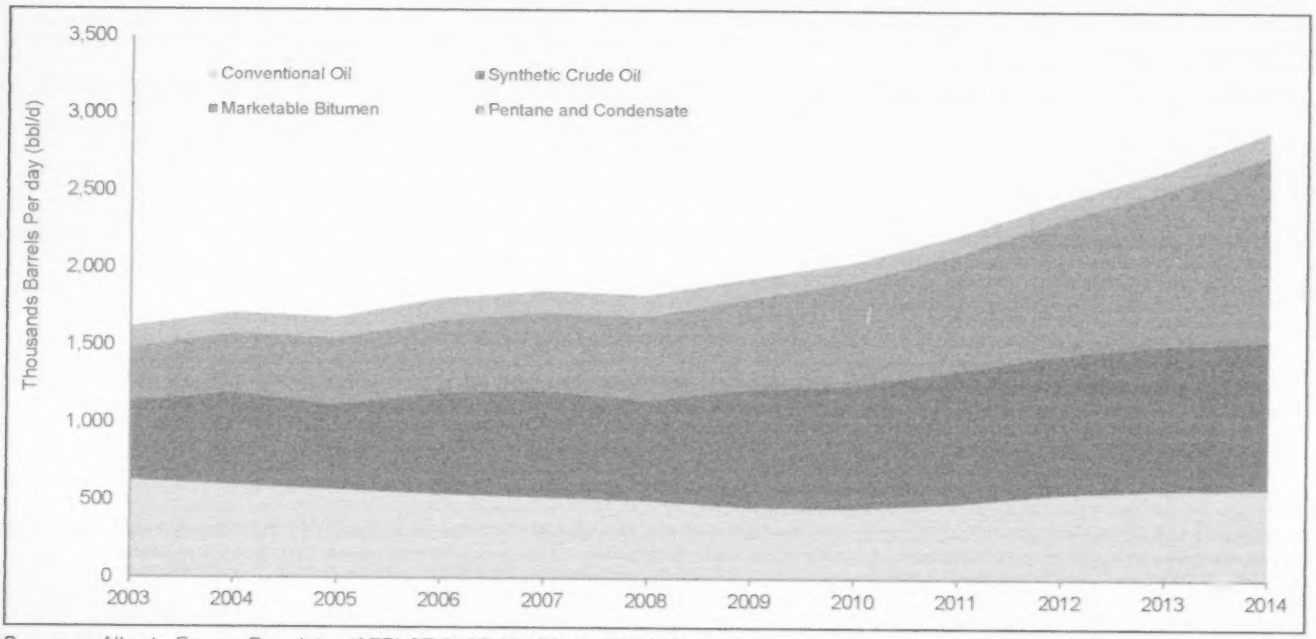
Alberta Official Statistics

Total Crude Oil and Equivalent Production, Alberta

- Alberta's total crude oil and equivalent production reached 2.90 million barrels per day (bbl/d) in 2014, an increase of about 10% from 2.65 million bbl/d reported in 2013.
- Marketable bitumen production increased by about 20% from 1 million bbl/d recorded in 2013 to 1.21 million bbl/d in 2014. In 2014, synthetic crude oil production reached 955 thousand bbl/d, a 2% increase over 936 thousand bbl/d produced in 2013.
- Alberta's total conventional oil production, which consists of heavy, light and medium grades, reached 590 thousand bbl/d in 2014, a 1% increase over 582 thousand bbl/d produced in 2013.
  - Conventional heavy oil production decreased by 2% from 153 thousand bbl/d in 2013 to 150 thousand bbl/d in 2014.
  - Alberta's production of light and medium crudes increased by about 2% from 430 thousand bbl/d in 2013 to 440 thousand bbl/d in 2014.
- Alberta's production of pentanes and condensate reached 153 thousand bbl/d in 2014, an increase of 21% over 127 thousand bbl/d reported in 2013.

Total Crude Oil and Equivalent Production

Alberta



Sources: Alberta Energy Regulator (AER) ST-3, ST-39, ST-43, ST-53 Reports

Metadata is an important component of the Alberta Official Statistics.

Title*	Total Crude Oil and Equivalent Production, Alberta
Alternative Title	
Creator*	Energy
Category* Select one or more	Energy
Abstract*	This Alberta Official Statistic presents Alberta's total Crude Oil and Equivalent Production data.
Full Description*	This Alberta Official Statistic presents Alberta's total Crude Oil and Equivalent Production data. Total Crude Oil and Equivalent Production consists of Conventional Crude Oil, Marketable Oil Sands, which consists of Marketable Bitumen and Synthetic Crude Oil (presented separately in this Alberta Official Statistic) and Pentanes & Condensate. Conventional Crude Oil consists of Conventional Light & Medium Oil and Conventional Heavy Oil; in this Alberta Official Statistic, Conventional Oil is presented as a single category. All historical oil production data is taken from the Alberta Energy Regulator (AER) ST-3, ST-39, ST-43 and ST-53 Reports.
Time Coverage YYYY-MM-DD – YYYY-MM-DD	2003-01-01 to 2014-12-31
Spatial Coverage Select one or more	Alberta
Data Source	Alberta Energy Regulator (AER), ST-3, ST-39, ST 43, ST-53 Reports
Risk Considerations	
Usage Considerations*	All production data reported in this Alberta Official Statistic is reported by the Alberta Energy regulator (AER). The data are obtained by the Department of Energy (DOE) from AER's Reports, and converted from cubic metres to barrels at the DOE, using the conversion factor of 1 cubic metre = 6.29295 barrels. All Conventional Crude Oil and Pentanes & Condensate data are taken from AER's ST-3 Report. ST-3 Report is published on a monthly basis. A result for a calendar year can be calculated once all monthly data for that year are released. *ST-3 Report* can be downloaded from the AER website. Older ST-3 reports, which are not posted on this site, can be obtained upon request. Marketable oil sands production data is calculated from the following AER Reports: ST-53, ST-43 and ST-39. 1) Synthetic Crude Oil (SCO) production data are calculated from AER ST-43 and ST-39 Reports. These reports essentially publish the same data. ST-43 was released once a year but has been discontinued (the last ST-43 Report that was released annual "Statistics for 2009" ST-43 Report, which reported calendar year data up to and including 2009). ST-39 is a monthly report; each monthly ST-39 report also includes year-to-date data. ST-39 is now the sole source for all new SCO production data. To calculate total SCO production, reported "Production" of SCO from ST-39 Reports for all SCO producing facilities is added.

	2) To calculate marketable bitumen production data, ST-53 and ST-39 reports are used as sources. In the past, ST-43 was also used as a source. Prior to 2003, all in-situ bitumen production was the same as marketable bitumen production. Therefore, ST-53 was the only source for marketable bitumen production prior to 2003. In 2003, some in-situ bitumen began to be upgraded to synthetic crude oil. To take into account the upgraded in-situ volumes, ST-39/ST-43 reports also had to be used, along with ST-53, to calculate marketable production volumes. In 2013, some mined bitumen was sent to market in the non-upgraded form. *AER ST-39 reports* can be downloaded from the AER website. Notably, only select ST-39 reports are posted on the above website. Historical ST-43 and ST-39 reports can be obtained from *AER Information Services*. *ST-53* reports cannot be directly downloaded from the AER website. They can be obtained from AER for a fee.
Supporting Documents	*Alberta's Oil Sands Projects* *Alberta Energy Regulator - Statistical Reports*
Related Products	
Content Owner* Select one option	Energy
Date Created* (YYYY-MM-DD)	2015-07-30
Date Modified (YYYY-MM-DD)	2015-07-30
Generation Frequency Select one option	Annual
Keywords* Separate search terms with commas	Oil Production, Conventional Oil Light, Medium, Heavy, Synthetic Crude Oil, Marketable Bitumen, Pentane and Condensate, AOS, Alberta Official Statistics